

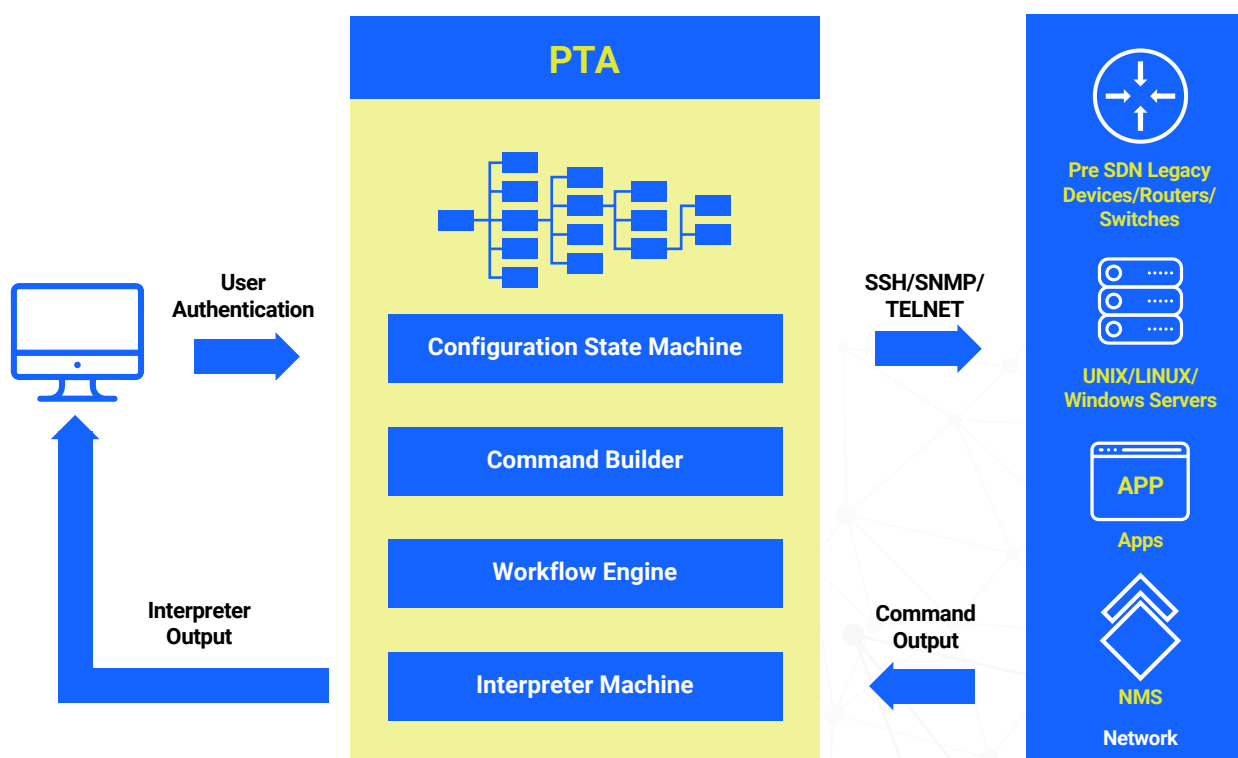
# PRIVILEGED TASK AUTOMATION (PTA)

## Task Automation Suite for Staff Augmentation and Granular Access Control

Extensive networks have high **maintenance costs** and it is difficult to manage them due to the number of different network devices. Configuration and provisioning tasks are excessive **time-consuming** process in these heterogeneous networks. It takes too much time to find out where the problem is in a huge network and it causes to customer dissatisfaction.

**Privileged Task Automation (PTA)** is a service and network management platform for enterprises and service providers who have different network equipment and different internal and external services.

This platform provides a single interface to configure the ability of network business flows with dynamic customized and extendable command sets and next-generation GUI.



**Single Connect PTA** simplifies the multivendor network management requirements by its vendor independent design, plug-in architecture, pre-check and **post-check** control mechanisms, and unique topology view without any need to extra NMS or NBI. Workflow Engine is the heart of this plug-in architecture, which combines, sequences and executes the components of the individual workflows. All the vendor independent, custom or **Designer Module** designed workflows is processed on the Workflow Engine.

Privileged **Task Automation** provides an **SDN-ready** and **NFV-ready** service activation technology roadmap. PTA can help your organization to get ready to separate control and data planes with upcoming pre-SDN or pre-NFV from today.

# HOW PRIVILEGED TASK AUTOMATION (PTA) WORKS

**Single Connect Privileged Task Automation (PTA) can be used to support a number of scenarios or the combination of these alternatives.**

To fulfill the daily routines and complex service activation requirements using the Designer and Player modules of PTA is the most common scenario. The PTA Designer module is a powerful tool to design and create service provider specific workflows which consist of pre-check, execution, post-check and rollback components consecutively. By the help of its visual design pane an operator can easily create a multivendor service activation tool by using the required commands in the modules above and connecting them according to their execution order to build a workflow for a specific purpose.

**One other important scenario is using the custom designed workflows that are created by Kron professional services. In this scenario Kron engineers work closely with the service provider's network teams to analyze the requirements and build a custom service activation tool that completely fits the service provider's needs.**

Apart from the above alternatives that covers the complex service activation requirements Single Connect PTA can be positioned as an easy-to-use troubleshooting tool.

The Command Builder Module perfectly fits to the first-line network operations and support teams with its easy to implement interfaces to create and use one-line troubleshooting and monitoring commands.

The last option is using Single Connect PTA with the different combinations of the alternatives above. The Designer and Player modules, custom designed workflows and Command Builder Module can be used in a Single Connect PTA environment to cover different teams' requirements.

## FEATURES & BENEFITS

Visual, **flexible**, agile platform for troubleshooting automation

Flexible platform, scaling in all dimensions (**OSGI technology**)

Reduces total cost of ownership among any **competition** or alternative

Combines **automated** scripts and IT tasks with human interaction

High level of delegation with easy setup & **Single Sign On** (SSO)

Improves incident management process and reduces **down-time**

Enables **error-free** configuration changes and eliminates potential service outages

**Secure** way of delegating network wide configuration tasks

Total control over each configuration **performed** on network

Reduces operational costs and improves **operational** efficiency

**Automates** repetitive and routine tasks

Visualizes network **management** by the topology view

**Schedule** tasks to augment after hours workforce

Smart command builder **simplifies** the usage of one-line monitoring commands

Realm mechanism grants the correct **privileges** to correct users on correct devices (no over-privileged entity)

Unified **multi-vendor** workflows standardize the configurations throughout the network

High speed workflow engine that **makes easy** to manage complex multi-vendor IP infrastructures

Centralizes visibility of business processes and **workflows**

By the Designer and Player modules, creating complex **command** workflows can be handled by admins and operators (no need for hardcoded workflows)

Management of multivendor IP & Packet **Core** networks

Easy to integrate other IT systems through a restful API and **adapter-based** approach

Enthusiastic user interaction experience & **GUI**

Quick actions for urgent needs with minimum **experience** level

Schedule and execute tasks, based on monitoring and **performance** driven events and alerts

E2E service **delivery** management

Orchestration and automation of **IT** processes that require multi-system integration

Workflow-based network configuration and execution with **sophisticated** validation

User and workflow-based activity logging and **executive** reports

Multi-level and multi-type authorization **scenarios** with role-based access management

LDAP, TACACS, RADIUS and Local User based **authorization** and authentication scenarios

Device **discovery** for detailed equipment inventory and multi-vendor support

Adapter based **protocol support** including SSH, TELNET, SNMP, XML, NETCONF, JDBC, RESTFUL